



Project: Alaska Copper Works

Inspection Date: 12/20/19

Project No.: 19ACW1

Technician: Elaine Lytle

System Performance:

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm)	Influent	<u>93.4</u>	Effluent	<u>158.7</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>12</u>	Effluent	<u>13</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>11</u>	Effluent	<u>12</u>	
Carbon Filter Pressures (Lead)	Influent	<u>11</u>	Effluent	<u>5</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>4</u>	Effluent	<u>0</u>	

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	no issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	reading properly
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	reading properly
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	no leaks
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	running well
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Used cartridge filters left out near system.
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	~full 55 gallon drum
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	in job box
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	pH probe seems to be drifting



Water Sampling:

Were water samples taken? ☒ Yes ☐ No

Raw water:	pH	<u>5.70</u>	Turbidity	<u>7.30</u>	NTU
Bag Filter Influent	pH	<u>9.18</u>	Turbidity	<u>13.2</u>	NTU
Bag Filter Effluent	pH	<u>9.28</u>	Turbidity	<u>11.6</u>	NTU
Carbon Filter Influent	pH	<u>8.31</u>	Turbidity	<u>5.50</u>	NTU
Carbon Filter Effluent	pH	<u>7.45</u>	Turbidity	<u>4.84</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: N/A

Treatment tank: N/A

Backflush tank: N/A

Main lift station: N/A

North lift station: N/A

South lift station: N/A

Additional Comments, Recommendations and System Upsets:

When I arrived on site the system was shut off due to the cartridge filters being plugged. Cartridge filters were changed out and 8 were dropped off.

Elaine Lytle

Technician

Treatment Tech

Title

12/20/19

Date

Submit